

**IN THE SPECIFICATION:**

**Page 1, please amend the title as follows:**

[TITLE OF THE INVENTION] VEHICLE MOUNTED WITH CONTINUOUS  
STEPLESS SPEED-CHANGER TRANSMISSION

**Page 1, please insert the following as the first paragraph:**

This application is a U.S. National Phase Application under  
35 USC 371 of International Application PCT/JP2004/018017 filed  
December 3, 2004.

**Page 9, please replace paragraph [0022] as follows:**

[0022]

[2] Configuration of HST Device 7

The configuration of the HST device 7 will be described  
below with reference to Fig. 5.

The HST device 7 has an HST pump 71, two traveling drive  
sections 72 respectively arranged corresponding to the right and  
the left traveling devices of the crawler device 4, a switching  
section 73 including four-rows of solenoid valves, a controller  
74, and a hydraulic oil tank 75.

(2-1) Configuration of HST Pump 71

The HST pump 71 includes two variable capacity pumps 711, ~~a~~  
~~pump actuator~~ two pump actuators 712, ~~a pump servo valve~~ two pump  
servo valves 713, and ~~an EPC valve~~ four EPC valves 714, the  
respective variable capacity pumps 711 constituting a closed

circuit with the corresponding traveling drive section 72 to supply the pressure oil to the traveling drive section 72.

The variable capacity pump 711 is enabled to change the capacity thereof by continuously changing the tilting angle of a swash plate, and the traveling speed of the bulldozer 1 can be increased by increasing the displacement of the variable capacity pump 711.

**Page 13, please replace paragraph [0032] as follows:**

[0032]

(2-3) Configuration of Switching Section 73

The switching section 73 has a fixed capacity pump 73A, and four solenoid valves 731, 732, 733 and 734. The switching section 73 is provided for switching the valves constituting the traveling drive section 72.

The fixed capacity pump 7 73A is a pump for generating the pilot pressure of the pilot line indicated by the broken line of Fig. 5. The fixed capacity pump 73A supplies the hydraulic oil as pressure oil to the pilot line from the hydraulic oil tank 75.

The solenoid valve 731 is for switching the swash plate of the variable capacity motor 722 to intermediate angle according to the speed changing control signal from the controller 74. When the solenoid of the solenoid valve 731 is excited, the pilot pressure is supplied to the speed change switching valve 727 through a pilot line P1 to switch the position of the speed change switching valve 727 to the MID position.

**Pages 19-20, please replace paragraph [0046] as follows:**

[0046]

(6) In the Step S4, if it is determined that the mode is the continuously variable shift mode, the vehicle speed setting section 742 refers to a speed stage table T12 (refer to Fig. 7) for continuously variable shift mode (Step S8). During this period, the shift operation signal detecting section 749 continues to measure time with the aforementioned timer circuit to determine whether the elapsed time  $t$  of the "On" state is shorter than 0.5 second or not (Step S9).

(7) Similar to the case of the quick shift mode, when the elapsed time  $t$  of the "On" state is shorter than 0.5 second, the vehicle speed setting section 742 determines whether the present speed stage is the upper limit value (or the lower limit value) or not (Step S10), if the present speed stage is determined to be the upper limit value when performing the shift-up operation, or if the present speed stage is determined to be the lower limit value when performing the shift-down operation, the processing will be stopped. If the present speed stage is not the upper limit value (or the lower limit value), the vehicle speed setting section 742 refers to the speed stage table T12 as shown in Fig. 7 for continuously variable shift mode and rewrites the speed stage into a value one stage high (or low) (Step S11). Similar to the case of the quick shift mode, the control signal generating section 747 generates the speed changing control signal based on the rewritten target vehicle speed, outputs the signal to the

solenoid valve 731 and the EPC valve 714 via the control signal output section 748 to control the driving of the variable capacity pump 711 and the variable capacity motor 722.